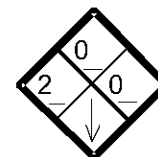


## Lilly Miller Brands

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

HMIS RATING

## MATERIAL SAFETY DATA SHEET



NFPA RATING

### SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Lilly Miller Hose 'n Go Moss Out! for Lawns  
Lilly Miller Moss Out! for Lawns

**MSDS Number:** LM-030

**Generic Name:** Herbicide for moss

**EPA Reg. No.** 802-509

**Manufacturer:** Lilly Miller Brands

**Revision Number:** New

**Address:** 16201 SE 98th Avenue  
Clackamas, OR 97015

**Date Issued:** May 17, 2001

**Manufacturer's Phone Number:** 503-650-4400

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	TLV	PEL
Ferric Sulfate	10028-22-5	35	1 mg/m <sup>3</sup> (as iron)	None
Non-hazardous inert ingredients	Mixture	45	N/A	N/A
Water	7732-18-5	20	None	None

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

### SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview:** This product is a corrosive chemical which can irritate the eyes, nose and throat. High levels of vapors can irritate and burn the lungs. Wash hands and exposed skin with soap and water after using this product.

**HMIS Rating:**      **Health:** 1      **Fire:** 0      **Reactivity:** 0      **Personal Protection:** B

#### Potential Health Effects:

**Routes of Entry:** Inhalation, skin contact, eye contact, ingestion.

**Inhalation:** Exposure to may lead to irritation of the nose and throat. Inhalation of vapors in concentrations above the TLV/PEL may lead to headaches, hoarseness, coughing, chest pains, fever, nausea and vomiting.

**Skin Contact:** May cause burns, rashes, dermatitis (red, cracked, irritated skin) and ulceration depending on concentration and duration of exposure.

**Eye Contact:** Eye contact with Ferric sulfate solutions can lead to irreversible eye damage including conjunctivitis and corneal burns due to corrosive nature of the material.

**Ingestion:** Ingestion of large quantities can lead to irritation to the G.I. system, shock, liver damage and death.

**Medical Conditions Aggravated by Exposure:** Dermatitis, asthma, conjunctivitis, upper respiratory conditions and digestive problems.

**Carcinogenicity:** Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

#### SECTION IV - FIRST AID MEASURES

**Inhalation:** Move to an area free from risk of further exposure. Treat symptomatically if required. Get medical attention if conditions persist.

**Eye Contact:** Flush with copious quantities of clean, lukewarm water at low pressure. Seek medical attention.

**Skin Contact:** Wash affected areas thoroughly with soap and warm water immediately after use of this product.

**Ingestion:** Do not induce vomiting. Drink promptly large quantities of milk, egg whites, gelatin solution, or in the absence of these, drink large quantities of water.

#### SECTION V - FIREFIGHTING MEASURES

**NFPA Rating:** Health: 2 Fire: 0 Reactivity: 0 Other: 0

**Flash point and Method:** This product is non-flammable

**Extinguishing Method:** Not required.

**Fire or Explosion Hazards:** Under fire conditions this product will emit toxic fumes of SO<sub>x</sub>.

**Special Firefighting Procedures:** Not applicable.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Clean-up Procedures:** Mop up material and place into waste container.

**Personal Precautions:** If misty or vaporous conditions exist, wear a face mask approved for use with dusts and mists such as 3M 8511 N-95 or equivalent.

**Environmental Precautions:** Keep major spills from entering lakes and waterways.

#### SECTION VII - HANDLING AND STORAGE

**Storage Temperature:** Not affected by extremes of ambient temperature.

**Shelf Life:** Not determined.

**Special Sensitivity:** None.

**Handling and Storage Precautions:** Avoid eye contact and avoid breathing mists if generated. Good housekeeping is recommended.

#### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** If dusty conditions exist, wear a face mask approved for use with dusts such as 3M 8511 N-95 or equivalent.

**Eye Protection:** Use safety glasses if there is potential for exposure to particles which could cause mechanical injury to the eyes.

**Skin Protection:** None needed under normal conditions of use.

**Engineering Controls:** Product is to be used out of doors; good general ventilation should be sufficient for most conditions.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Reddish brown solution.

**Odor:** Acidic or sour odor

**Specific Gravity:** N/D

**Vapor Density:** N/D

**pH:** N/D

**Solubility in Water:** Soluble

**% Volatile by Weight (VOC):** None

## SECTION X - REACTIVITY

**Stability :** This is stable material.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong acids.

**Decomposition Products:** Sulfur oxides.

## SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION

**Ecological Concerns:** Lilly Miller Hose 'n Go Moss Out! for Lawns and Lilly Miller Moss Out! for Lawns are effective herbicides for moss. Avoid over spraying or mist drift onto desirable mosses or vegetation. Product is toxic to fish and aquatic life. Keep product from lakes, rivers and streams.

## SECTION XII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Do not re-use the container. Rinse thoroughly, wrap in several layers of newspaper and discard in trash.

## SECTION XIII - TRANSPORTATION INFORMATION

**DOT Shipping Name:** Not regulated

**DOT Label:** None

**Technical Shipping Name:** None

**DOT Placard:** None

**DOT Hazard Class:** None

**UN/NA Number:** None

#### SECTION XIV - REGULATORY INFORMATION

**OSHA Status:** This product is regulated under OSHA criteria.

**EPA Registration Number:** 802-509

**TSCA Status:** All applicable chemicals are registered under TSCA.

**CERCLA Reportable Quantity:** 1000 pounds (Ferric sulfate).

**SARA Title III:** Reportable under 311/312.

**Section 302, Extremely Hazardous:** None

**Section 311/312 Hazard Categories:** N/A.

**Section 313 Toxic Chemicals:** None

**RCRA Status:** Not regulated under RCRA

#### SECTION XV - APPROVALS

**Reason for issue:** New MSDS

**Approval Date:** May 17, 2001

**Prepared by:** Compliance Consulting Group, Inc.  
303-795-2060

**Supersedes Date:** None

#### SECTION XVI - DISCLAIMER

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.